

Application Serial No. 10/089,798
Date May 17, 2004
Reply to Office Action dated March 17, 2004

Page 2 of 6

Listing of the Claims:

1. (Currently Amended) In a wiping device for wiping window glass on vehicles, having a wiper motor, a gear mechanism disposed on the input shaft of the wiper motor, a gear housing enclosing the gear mechanism, a gear housing cover disposed on the gear housing, and an output shaft and the improvement comprising: a crank rotationally immovably positioned on the output shaft on a side of the gear housing facing away from the gear mechanism, ~~the improvement comprising that wherein~~ the output shaft-to-crank connection is a press fitting and that one of the gear housing and the gear housing cover has an opening on a side facing away from the crank, ~~where an end of the output shaft facing away from the crank can be supported through the opening to press fit the output shaft to the crank for supporting an end of the output shaft during the press fit operation, said output shaft facing away from the crank.~~

2. (Previously Presented) Improvement to the wiping device in accordance with claim 1, wherein an inner part of the press fitting is the output shaft and an outer part of the press fitting is a cylindrical bore in the crank.

3. (Previously Presented) The improvement to the wiping device in accordance with claim 1, wherein the output shaft is staked to the crank.

4. (Previously Presented) The improvement to the wiping device in accordance with claim 3, wherein a cylindrical bore in the crank has a one of chamfer, a cylindrical depression and a recess on the side facing away from the gear housing.

5. (Previously Presented) The improvement to the wiping device in accordance with claim 1, wherein the output shaft on the side facing away from the crank extends into an area towards one of the gear housing and the gear housing

Application Serial No. 10/089,798

Date May 17, 2004

Page 3 of 6

Reply to Office Action dated March 17, 2004

cover and one of the gear housing and the gear housing cover has an opening in this area.

6. Cancelled.

7. (Previously Presented) The improvement to the wiping device in accordance with claim 1, wherein the opening is closed with a cover.

8. (Previously Presented) A process for assembling a wiping device for wiping window glass on vehicles, having a wiper motor, a gear mechanism disposed on an input shaft of the wiper motor, a gear housing enclosing the gear mechanism, an output shaft and a crank rotationally immovably disposed on the output shaft, comprising the step of:

pressing the output shaft into a cylindrical bore in the crank; and
in order to press fit the output shaft to the crank, supporting the end of the output shaft facing away from the crank through an opening on a side of one of the gear housing and a gear housing cover facing away from the crank.

9. (Currently Amended) A wiping device for wiping window glass on vehicles comprising:

a wiper motor;
a gear mechanism disposed on an input shaft of the wiper motor;
a gear housing enclosing the gear mechanism;
a gear housing cover disposed on the gear housing;
an output shaft extending from the gear housing; and
a crank rotationally immovably positioned on the output shaft, the crank positioned externally of the gear housing, wherein the output ~~shaft to crank connection is~~ shaft is connected to the crank in a press fitting fit operation and one of the gear housing and the gear housing cover has an opening extending therethrough; ~~an end of the output shaft supportable through the opening to press fit the crank to the~~

Application Serial No. 10/089,798

Date May 17, 2004

Page 4 of 6

Reply to Office Action dated March 17, 2004

output shaft wherein the opening is on a side of one of the gear housing and the gear housing cover facing away from the crank for supporting an end of the output shaft during the press fit operation.

10. (Previously Presented) The wiping device of claim 9, wherein an inner part of the press fitting is the output shaft and an outer part of the press fitting is a cylindrical bore in the crank.

11. (Previously Presented) The wiping device of claim 9, wherein the output shaft is staked to the crank.

12. (Previously Presented) The wiping device of claim 9, wherein the cylindrical bore in the crank has one of a chamfer, a cylindrical counterbore and a recess on a side facing away from the gear housing.

13. (Currently Amended) The wiping device of claim 9, wherein the output shaft on the side facing away from the crank extends into the area towards one of the gear housing and the gear housing cover and one of the gear housing and the gear housing cover has an the opening in this area.

14. (Previously Presented) The wiping device of claim 9, wherein the opening is closed with a cover.